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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/836,096	04/17/2001	Philippe Gatepin	PHFR 000041	7718

24737 7590 07/15/2004

PHILIPS INTELLECTUAL PROPERTY & STANDARDS
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EXAMINER

CZEKAJ, DAVID J

ART UNIT	PAPER NUMBER
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2613

DATE MAILED: 07/15/2004

6

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/836,096

Applicant(s)

GATEPIN, PHILIPPE

Examiner

Dave Czekaj

Art Unit

2613

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4, 5.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being anticipated by Wang et al. (6167084), (hereinafter referred to as "Wang").

Regarding claims 1 and 4, Wang discloses an apparatus that allocates bits in a statistical multiplexing system. This apparatus comprises "computing an indicator of a compressed data quality for the respective transcoding channels, the indicator being computed from the input compressed data signal" (Wang: figure 6, column 11-column 12, wherein the indicator is the complexity measure shown in equations 5 and 7-8, the compressed input signal is the compressed program) and "allocating the output bit rate to the transcoding channel from a total output bit rate, indicator, and a sum of the indicators" (Wang: figure 6, column 8, lines 54-67- column 9, lines 1-25, wherein the output bit rate is the target number of bits, the sum of the indicators is the complexities of each frame).

Regarding claim 2, Wang discloses "the indicator is computed from an average of a function of average quantization scale and a number of bits used to encode the picture" (Wang: columns 11-12, wherein the average quantization scale is $Q_{l,n,t}$, the number of bits used for the picture is $R_{l,n,t}$).

Regarding claim 3, Wang discloses "the indicator is computed from a weighted average of a set of averages calculated over the pictures" (Wang: columns 11-12, wherein the averages is the quantization scale, the weight is the weighting factor K).

Regarding claims 5 and 6, Wang discloses "a set of transcoders for converting input compressed data at an input bit rate into output signals encoded at an output bit rate" (Wang: figures 3 and 6, wherein the transcoders convert the input bit rate into an output bit rate), "computing an indicator of a compressed data quality for the respective transcoding channels, the indicator being computed from the input compressed data signal" (Wang: figure 6, column 11- column 12, wherein the indicator is the complexity measure shown in equations 5 and 7-8, the compressed input signal is the compressed program), "allocating the output bit rate to the transcoding channel from a total output bit rate, indicator, and a sum of the indicators" (Wang: figure 6, column 8, lines 54-67- column 9, lines 1-25, wherein the output bit rate is the target number of bits, the sum of the indicators is the complexities of each frame), and a "multiplexer for providing a multiplexed signal at the output bit rate by multiplexing the output signals" (Wang: figure 6, item 660).

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

US-6310915 10-2001 Wells et al.


US-6192083 02-2001 Linzer et al.

US-6434197 08-2002 Wang et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dave Czekaj whose telephone number is (703) 305-3418. The examiner can normally be reached on Monday - Friday 9 hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (703) 305-4856. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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